

What is claimed:

5 1. A method of administering a plurality of modifiable domain name records in a database in concurrence with a DNS root server, the database storing first and second records corresponding to a first domain name and a second domain name, respectively, the method comprising:

accepting a command from the client machine to modify the first record and replace it with a modified record;

accepting a command from the client machine to apply the modification of the first record to the second record;

10 storing the modified record in place of each of the first and second records in the database; and

causing the records in the DNS root server to be substantially in agreement with the modified database records.

15 2. The method of claim 1, further comprising sending the first record for the first domain name and second record for the second domain name, the records associated with the database, to a client machine responsive to a client machine prompt.

20 3. The method according to claim 1, wherein the steps are performed by a program residing on the web server.

4. The method according to claim 2, wherein the program includes stored procedures.

25 5. The method according to claim 1, wherein the step of causing further includes causing the modified records to be stored in an authoritative registry server.

30 6. The method according to claim 5, wherein the authoritative registry server is a registrar Whois database.

7. The method according to claim 1, wherein the domain record is an IP address.

8. The method according to claim 1, wherein the domain record is a domain name.

9. The method according to claim 1, wherein the domain record is a canonical name.

10. The method according to claim 1, wherein the domain record is a mail exchange record.

11. The method according to claim 1, wherein the domain record is a contact record.

12. The method according to claim 10, wherein the contact record is selected from the group consisting of zone, organization, administrative, billing and technical.

13. The method according to claim 1, wherein the domain record is selected from the group consisting of primary DNS, secondary DNS, DNS mail, refresh time, retry interval, expire time and time-to-live.

14. A method of modifying a first domain record stored in a database, the first record in concurrence with a record in a DNS root server, the method for use with a computer system having a memory and a display, and generating a graphical user interface displaying the domain record related to the database on the display, the method comprising:

accessing the first domain record in the database;

displaying the graphical user interface (GUI) on the display, the GUI having a field in which the first record is displayed;

displaying a modified record in the field in response to a user input;

storing the modified record in the database in place of the first record; and causing the replacement of the first record in the DNS root server with the modified record.

15. The method according to claim 14, wherein the first record is associated with an account name and the step of accessing requires input of the account name to access the record.

16. The method according to claim 14, wherein the computer system further includes a web server and steps are performed by a program residing on the web server.

17. The method according to claim 16, where the display resides on a client computer that is networked to the computer system through the web server.

18. The method according to claim 14, wherein a plurality of domain records are stored in the database.

19. The method according to claim 18, wherein the GUI has a plurality of fields.

20. The method according to claim 19, wherein the database has a first record associated with a first domain name and a second record associated with a second domain name, wherein "displaying the graphical interface" includes displaying the first record in a first field of the GUI, and wherein following displaying the modified record, the method further including:

accessing the second domain record in the database;

displaying the second record in a second field of the GUI; and

displaying the modified record in the second field in response to a user input,

and wherein the step of "storing" further includes storing the modified record in the database in place of the second record, and wherein the step of "causing" further includes causing the replacement of the second record in the DNS root server with the modified record.

21. The method according to claim 14, wherein the domain record is an IP address.

22. The method according to claim 14, wherein the domain record is a domain name.

23. The method according to claim 14, wherein the domain record is a canonical name.

5 24. The method according to claim 14, wherein the domain record is a mail exchange record.

25. The method according to claim 14, wherein the domain record is a contact record.

10 26. The method according to claim 25, wherein the contact record is selected from the group consisting of: zone, organization administrative billing and technical.

15 27. The method according to claim 14, wherein the domain record is selected from the group consisting of primary DNS, secondary DNS, DNS mail, refresh time, retry interval, expire time and time-to-live.

28. The method according to claim 14, wherein GUI has a plurality of views each view having a plurality of fields.

20 29. The method according to claim 28, wherein a first view is a change address view.

30. The method according to claim 28, wherein a second view is a change canonical name view.

25 31. The method according to claim 28, wherein a third view is a welcome screen.

32. The method according to claim 28, wherein a fourth view is a change contact record view.

30 33. The method according to claim 28, wherein a fifth view is a change mail exchange view.

34. A computer program product for use with a graphics display device, the computer program product generating a graphical user interface (GUI) on the display device for presenting a domain record stored in a domain database containing a plurality of domain records, the records in concurrence with records stored in a DNS root server, the computer program product comprising a computer usable medium having computer readable program code thereon, the computer readable program code including:

program code for accessing the database;

program code for displaying a graphical user interface (GUI) on a display device, the GUI having a field in which the domain record is displayed;

program code for modifying the domain record in the field, in response to a user input;

program code for replacing the domain record in the database with the modified domain record; and

program code for causing replacement of the domain record stored in the DNS root server with the modified domain record.

35. The computer program product of claim 34, wherein the program code for accessing the database is a database application program.

36. The computer program product of claim 34, wherein the database application program includes PL/SQL stored procedures.

37. The computer program product of claim 33, wherein the program code for displaying the GUI is a visual builder program.

38. The computer program product of claim 34, wherein the program code for modifying the domain record in the field is a utility program.

39. The computer program product of claim 34, wherein the program code for replacing the domain records in the database with the modified domain record is a common gateway interface (CGI) program.

41. The computer program product of claim 38, wherein the CGI program code for accessing the database is a C program.

42. The computer program product of claim 34, wherein the program code for causing the replacement of the domain record stored in the DNS root server with the modified domain record are flat files that update a Shared Registration System application program.

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